

# MARKER LOCALIZATION SENSING SYSTEM SYNCHRONIZED WITH RADIATION SOURCE

## ABSTRACT OF THE DISCLOSURE

A receiver for determining the location of a marker that is excited with an exciting waveform. A sensing array having coils is used to sense magnetic flux from the resonating marker. The coils provide inputs to the receiver. The receiver includes a correlation processor for analyzing the inputs in a coherent manner. Further, the receiver is synchronized to act on inputs that are gathered when a treatment radiation source is inactive.